# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 06:00 on Thursday 19 Aug 2021 until 23:59 on Friday 20 Aug 2021

Forecast Issued on Thursday 19 Aug 2021 at 02:04

**Confidence:** High confidence for predominantly cloudy and rather dull conditions over the coming days and for a spell of heavy rain over the weekend. The main uncertainty relates to the extent of brighter weather in the east, and for timing of heavier rainfall.

**Headline for Thursday 19 Aug 2021:** Generally cloudy with outbreaks of rain and drizzle giving way to scattered showers, heavy at times.

**Mountain weather hazards on Thursday 19 Aug 2021**

**Blizzards**
No Likelihood

**Heavy Snow**
No Likelihood

**Storm force winds**
No Likelihood

**Gales**
No Likelihood

**Severe chill effect**
No Likelihood

**Poor visibility**
Medium Likelihood

**Thunderstorms**
Medium Likelihood

**Heavy persistent rain**
Low Likelihood

**Strong sunlight**
Low Likelihood

| **Weather and chance of precipitation at 600m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| |  | | | | |
| Drizzle | Cloudy | Sunny intervals | Heavy Rain | Heavy Rain | Partly cloudy (night) |
| Precipitation probability | | | | | |
| 60% | 30% | 30% | 70% | 60% | 30% |

**Forecast for Thursday 19 Aug 2021**

**Weather:** Rather cloudy to start, with the odd spot of light rain and drizzle. Brighter spells developing for a time, particularly across eastern parts, before further cloud spreads east, bringing occasional showers for the afternoon, heavy in places. Showers clearing eastwards in the evening.

**Chance of cloud free mountain/hill tops above 600m:** 20% increasing to 70% by midday.

**Visibility:** Poor at first with extensive cloud with bases around 400-600m and occasional drizzle across western parts. Improving as cloud breaks up and lifts to around 600-700m by the afternoon but suddenly deteriorating in any showers.

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# Mountain Weather Forecast

**Forecast for Thursday 19 Aug 2021**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 12/14 W | 11/15 W | 12/16 W | 11/15 SW | 8/11 W | 6/8 SW | 7/10 SW |
| **300** | 8/10 SW | 8/11 W | 9/14 W | 7/10 SW | 4/6 W | 3/5 SW | 5/7 SW |
| **Valley** | 4/8 W | 6/10 SW | 8/14 W | 4/9 SW | 2/5 SW | 2/5 S | 3/6 SW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 11/9 | 11/9 | 12/10 | 12/10 | 12/11 | 12/11 | 12/10 |
| **300** | 13/12 | 13/12 | 15/13 | 14/13 | 15/14 | 14/14 | 14/13 |
| **Valley** | 13/13 | 14/14 | 15/14 | 14/14 | 15/16 | 14/15 | 14/14 |
| **Freezing Level*** | 3000m | 2300m | 2800m | 2700m | 2600m | 2600m | 2600m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Poor visibility above modest elevations suggests lower level routes may be most rewarding. Best of the brightness expected across the more sheltered north and east. Be aware of the risk of thunderstorms through afternoon.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 02:00 on Wed 18 Aug 2021 | 14.6mm | 19.8mm | 24mm |

**Forecast for Friday 20 Aug 2021**

**Weather:** Largely dry with warm spells of sunshine once early mistiness clears. Cloud increasing through the afternoon, and the odd spot of light rain is possible across western parts, but generally it will remain dry.

**Maximum wind:** South 10-15mph gusting 20-25mph.

**Chance of cloud free mountain/hill tops above 600m:** Generally 80-90%, but 60-70% in the south and west.

**Visibility:** Generally good, but cloud occasionally lowering to 600m in the south and west of the region. Visibility poor in early morning mist and fog in valleys and on hill tops.

**Temperature:** **Valleys:** Plus 13 Celsius rising to 22 Celsius.
**At 600m:** Plus 13 Celsius rising to 16 Celsius.
**Freezing level:** Well above summits.

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